Mississippi Grade 6

FlyBy Math™ Alignment 2007 Mississippi Mathematics Framework	
Content Strand: Algebra	
Competency 2. Apply the use of algebraic functions, patterns and language.	
Objectives/Benchmarks	***FlyBy Math*™ Activities**
b. Use patterns and sequences to investigate and draw conclusions in real-life situations.	--Use tables, bar graphs, line graphs, a Cartesian coordinate system, and equations to model aircraft conflicts and predict outcomes.
c. Complete a function table based on a given rule (and vice-versa) using whole numbers, decimals, and fractions.	--Represent distance, speed, and time relationships for constant speed cases using linear equations and a Cartesian coordinate system.
Content Strand: Measurement	
Competency 4. Apply geometric formulas and standard (English and Metric) units of measurement in mathematical and real-life situations.	
Objectives/Benchmarks	***FlyBy Math*™ Activities**
b. Select and apply appropriate units for measuring length, mass, and volume, and temperature in the standard (English and metric) systems.	--Conduct simulation and measurement for several aircraft conflict problems. --Calculate and measure the position and time of simulated aircraft. Represent that motion using tables, graphs, equations, and experimentation.
d. Use estimation to solve problems in the standard (English and metric) systems.	--Predict outcomes and explain results of mathematical models and experiments.
Content Strand: Data Analysis and Probability	
Competency 5. Collect, organize, interpret, analyze, and display data. Apply concepts of probability to solve problems.	
Objectives/Benchmarks	***FlyBy Math*™ Activities**
b. Construct and interpret line graphs, bar graphs and histograms.	--Represent distance, rate, and time data using tables, line plots, bar graphs, and line graphs. --Use tables, bar graphs, line graphs, a Cartesian coordinate system, and equations to model aircraft conflicts and predict outcomes.